

Feed requirements for livestock kept under various temperature ranges

Deviation in °F below critical temperature	Energy increase to be metabolized		
	1,000 lb. pregnant cow	770 lb. yearling	550 lb. cows gaining 1.5 lb. per day
0	0.0	0.0	0.0
5	0.9	1.0	0.9
10	2.0	1.9	1.7
15	3.2	2.8	2.5
20	3.6	3.7	3.3
25	4.5	4.6	4.2
30	5.4	5.5	5.0
35	6.4	Above intake capacity	Above intake capacity
40	7.3	Above intake capacity	Above intake capacity

Adapted from Brownson R, Ames D. Winter Stress in Beef Cattle. Alberta Beef Herd Management. Alberta Agriculture, Calgary, Canada.